Name:

p1103: Expand Product of Linear Binomials (v12)

Question 1

Expand the product of linear binomials. $(x + 2)(x - 7)$

$$x^2 - 7x + 2x - 14$$

$$x^2 - 5x - 14$$

Question 2

Expand the product of linear binomials. $(x - 5)(x + 2)$

$$x^2 + 2x - 5x - 10$$

$$x^2 - 3x - 10$$

Question 3

Expand the product of linear binomials. $(x - 2)(x - 2)$

$$x^2 - 2x - 2x + 4$$

$$x^2 - 4x + 4$$

Question 4

Expand the product of linear binomials. $(6x - 7)(8x - 4)$

$$48x^2 - 24x - 56x + 28$$

$$48x^2 - 80x + 28$$

Question 5

Expand the product of linear binomials. $(-7x + 5)(-9x + 2)$

$$63x^2 - 14x - 45x + 10$$

$$63x^2 - 59x + 10$$

Question 6

Expand the product of linear binomials. $(x+4)(x+3)$

$$x^2+3x+4x+12$$

$$x^2+7x+12$$

Question 7

Expand the product of linear binomials. $(-4x-5)(-7x+6)$

$$28x^2-24x+35x-30$$

$$28x^2+11x-30$$

Question 8

Expand the product of linear binomials. $(x-8)(x+3)$

$$x^2+3x-8x-24$$

$$x^2-5x-24$$

Question 9

Expand the product of linear binomials. $(5x-7)(8x+8)$

$$40x^2+40x-56x-56$$

$$40x^2-16x-56$$

Question 10

Expand the product of linear binomials. $(-5x+7)(8x+8)$

$$-40x^2-40x+56x+56$$

$$-40x^2+16x+56$$